

**ABSTRACT**

An integrated graphic rendering system, which is connected to users via a network, is provided. The system includes source graphic data-handling agents, an integrated rendering management server, and rendering execution tools. The agent selectively extracts graphic data, transforms the data into a predetermined format, compresses the data and sends them to the server. The server has a 1:N signal connection with the agents, and collects and decompresses the graphic data. The tools have parallel signal connections with the server, and perform distributed rendering of the SGD under control of the server, create rendered data, and output the rendered data to the server. The server sends distributed rendering commands to the tools, monitors rendering execution status of the tools, and checks rendering errors.